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TITLE: Water-repellent compositions containing fluorinated  
(meth) \*\*\*acrylate\*\*\* polymers, their sprays, and  
their application by spraying

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PATENT INFORMATION:

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JP 08081883	A2	19960326	JP 1994-214583	19940908
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JP 3279442	B2	20020430		
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AB The title compns. which show long-lasting water-repellent properties and have no unpleasant odor contain (A) 0.1-5% copolymers of CH<sub>2</sub>:CR<sub>1</sub>CO<sub>2</sub>R<sub>2</sub> [R<sub>1</sub> = H, Me; R<sub>2</sub> = H, (aryl-substituted) linear or branched C<sub>1</sub>-22 alkyl, alkenyl, (linear or branched C<sub>1</sub>-20 alkyl- or alkenyl-substituted) aryl; C<sub>3</sub>-8 cycloalkyl], C<sub>2</sub>-3 hydroxyalkyl (meth)acrylates, and perfluoroalkyl-contg. (meth)acrylates, (B) 90-99.8% C<sub>1</sub>-3 alcs., and (C) 0.1-5% plasticizers and/or F-contg. surfactants. Sprays of the compns. and water-repellent treatment by spraying them are also claimed. Thus, a fluoropolymer prepd. from 50:20:30 \*\*\*acrylic\*\*\* acid, 2-hydroxyethyl methacrylate, and CF<sub>3</sub>(CF<sub>2</sub>)<sub>7</sub>(CH<sub>2</sub>)<sub>11</sub>O<sub>2</sub>CCH:CH<sub>2</sub> 1.0, EtOH 98.0, and di-Bu phthalate 1.0% were mixed with propellants and charged into a container to give a spray, which showed long-lasting water-repellent properties without staining textiles.

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